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DATE: Friday, September 15, 2006

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		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L6	L1 and (Gunji or Yasueda).in.	20
<input type="checkbox"/>	L5	L2 and ajin\$6	13
		<i>DB=PGPB; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L4	US-20030124687-A1.did.	1
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L3	L2	87
<input type="checkbox"/>	L2	L1 and (methylophi\$4 or methylobacil\$4)	87
<input type="checkbox"/>	L1	methano\$4 and lysin\$4 and lyse\$4	10080

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 13 of 13 returned.

☐ 1. Document ID: US 20050003495 A1

L5: Entry 1 of 13

File: PGPB

Jan 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050003495

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050003495 A1

TITLE: Method for producing L-lysine or L-arginine by using methanol-assimilating bacterium

PUBLICATION-DATE: January 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gunji, Yoshiya	Kawasaki		JP
Yasueda, Hisashi	Kawasaki		JP

US-CL-CURRENT: 435/115; 435/252.3

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 20040229311 A1

L5: Entry 2 of 13

File: PGPB

Nov 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040229311

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040229311 A1

TITLE: Novel lysine decarboxylase gene and method for producing L-lysine

PUBLICATION-DATE: November 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hirano, Seiko	Kawasaki-shi		JP
Yasueda, Hisashi	Kawasaki-shi		JP

US-CL-CURRENT: 435/69.1; 435/115, 435/232, 435/252.33, 435/320.1, 536/23.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 3. Document ID: US 20040214296 A1

L5: Entry 3 of 13

File: PGPB

Oct 28, 2004

PGPUB-DOCUMENT-NUMBER: 20040214296  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040214296 A1

TITLE: Method for producing L-lysine using methanol-utilizing bacterium

PUBLICATION-DATE: October 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Asahara, Takayuki	Kawasaki		JP
Hirano, Seiko	Kawasaki		JP
Yasueda, Hisashi	Kawasaki		JP

US-CL-CURRENT: 435/115; 435/252.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20040166570 A1

L5: Entry 4 of 13

File: PGPB

Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040166570  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040166570 A1

TITLE: Genes involved in polysaccharide production and utilization thereof

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Asahara, Takayuki	Kawasaki		JP
Yasueda, Hisashi	Kawasaki		JP

US-CL-CURRENT: 435/101; 435/193, 435/252.3, 435/471, 435/6, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20040146974 A1

L5: Entry 5 of 13

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040146974  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040146974 A1

TITLE: Method for producing L-amino acid using methylotroph

PUBLICATION-DATE: July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gunji, Yoshiya	Kawasaki		JP

Yasueda, Hisashi

Kawasaki

JP

US-CL-CURRENT: [435/69.1](#); [435/115](#), [435/193](#), [435/252.33](#), [435/320.1](#), [536/23.2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20040142435 A1

L5: Entry 6 of 13

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040142435

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040142435 A1

TITLE: Method for producing L-amino acid using methylotroph

PUBLICATION-DATE: July 22, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gunji, Yoshiya	Kawasaki		JP
Yasueda, Hisashi	Kawasaki		JP

US-CL-CURRENT: [435/106](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20030124687 A1

L5: Entry 7 of 13

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124687

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124687 A1

TITLE: Method for producing L-lysine or L-arginine by using methanol assimilating bacterium

PUBLICATION-DATE: July 3, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gunji, Yoshiya	Kawasaki-shi		JP
Yasueda, Hisashi	Kawasaki-shi		JP

US-CL-CURRENT: [435/115](#); [435/252.3](#), [435/320.1](#), [435/69.1](#), [530/350](#), [536/23.5](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: JP 2004166594 A

L5: Entry 8 of 13

File: JPAB

Jun 17, 2004

PUB-NO: JP02004166594A

DOCUMENT-IDENTIFIER: JP 2004166594 A

TITLE: METHOD FOR PRODUCING L-LYSINE OR L-ARGININE BY USING METHANOL-ASSIMILATING BACTERIUM

PUBN-DATE: June 17, 2004

## INVENTOR-INFORMATION:

NAME

COUNTRY

GUNJI, YOSHIYA

YASUEDA, HISASHI

INT-CL (IPC): C12N 15/09; C12N 1/21; C12N 1/32; C12P 13/08; C12P 13/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: FR 2847262 A1

L5: Entry 9 of 13

File: EPAB

May 21, 2004

PUB-NO: FR002847262A1

DOCUMENT-IDENTIFIER: FR 2847262 A1

TITLE: Methylobacillus organism, useful for producing lysine and arginine, contains DNA encoding variant form of Lyse protein that contains only the hydrophobic helices

PUBN-DATE: May 21, 2004

## INVENTOR-INFORMATION:

NAME

COUNTRY

GUNJI, YOSHIYA

YASUEDA, HISASHI

INT-CL (IPC): C12N 1/21; C12P 13/08; C12P 13/10; C12N 15/31

EUR-CL (EPC): C12P013/08; C12P013/10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: EP 1266966 A2

L5: Entry 10 of 13

File: EPAB

Dec 18, 2002

PUB-NO: EP001266966A2

DOCUMENT-IDENTIFIER: EP 1266966 A2

TITLE: Method for producing L-lysine or L-arginine by using methanol assimilating bacterium

PUBN-DATE: December 18, 2002

## INVENTOR-INFORMATION:

NAME

COUNTRY

GUNJI, YOSHIYA

JP

YASUEDA, HISASHI

JP

INT-CL (IPC): C12N 15/31; C12R 1/00; C12P 13/00; C12P 13/06; C07K 14/195

EUR-CL (EPC): C07K014/195

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: FR 2847264 A1, JP 2004166592 A, US 20040146974 A1, DE 10352668 A1, CN 1618970 A

L5: Entry 11 of 13

File: DWPI

May 21, 2004

DERWENT-ACC-NO: 2004-403037

DERWENT-WEEK: 200643

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TITLE: New DNA encoding mutant form of LysE protein, useful for transformation of methanol-utilizing bacteria for production of lysine and arginine, also new transformants

INVENTOR: GUNJI, Y; YASUEDA, H

PRIORITY-DATA: 2002JP-0336315 (November 20, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>FR 2847264 A1</u>	May 21, 2004		052	C12N015/31
<u>JP 2004166592 A</u>	June 17, 2004		039	C12N015/09
<u>US 20040146974 A1</u>	July 29, 2004		000	C12P013/08
<u>DE 10352668 A1</u>	August 12, 2004		000	C12N015/33
<u>CN 1618970 A</u>	May 25, 2005		000	C12N015/31

INT-CL (IPC): C07H 21/04; C07K 14/31; C12N 1/21; C12N 1/32; C12N 15/00; C12N 15/09; C12N 15/31; C12N 15/33; C12P 13/08; C12P 13/10; C12N 15/31; C12R 1/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 20050203859 A1, FR 2847262 A1, JP 2004166594 A, DE 10352801 A1, CN 1502690 A, US 20050003495 A1

L5: Entry 12 of 13

File: DWPI

Sep 15, 2005

DERWENT-ACC-NO: 2004-403035

DERWENT-WEEK: 200561

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TITLE: Methylobacillus organism, useful for producing lysine and arginine, contains DNA encoding variant form of LysE protein that contains only the hydrophobic helices

INVENTOR: GUNJI, Y; YASUEDA, H ; FAJOUR, M ; KRASUSKI, M

PRIORITY-DATA: 2002JP-0336340 (November 20, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20050203859 A1</u>	September 15, 2005		000	G06F017/60
<u>FR 2847262 A1</u>	May 21, 2004		049	C12N001/21
<u>JP 2004166594 A</u>	June 17, 2004		036	C12N015/09
<u>DE 10352801 A1</u>	July 15, 2004		000	C12N001/21
<u>CN 1502690 A</u>	June 9, 2004		000	C12N001/21
<u>US 20050003495 A1</u>	January 6, 2005		000	C12P013/10

INT-CL (IPC): C12N 1/21; C12N 1/32; C12N 15/09; C12N 15/31; C12P 13/08; C12P 13/10; G06F 17/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 20030124687 A1, EP 1266966 A2, JP 2003061687 A

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File: DWPI

Jul 3, 2003

DERWENT-ACC-NO: 2003-241171

DERWENT-WEEK: 200345

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TITLE: Novel DNA encoding variant of Lyse protein from a coryneform bacterium, when introduced into methanol assimilating bacterium, facilitates excretion of L-lysine and/or L-arginine to outside of a cell

INVENTOR: GUNJI, Y; YASUEDA, H

PRIORITY-DATA: 2001JP-0177075 (June 12, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030124687 A1	July 3, 2003		000	C12P013/08
EP 1266966 A2	December 18, 2002	E	023	C12N015/31
JP 2003061687 A	March 4, 2003		019	C12N015/09

INT-CL (IPC): C07H 21/04; C07K 14/34; C12N 1/21; C12N 15/09; C12N 15/31; C12N 15/74; C12P 13/00; C12P 13/06; C12P 13/08; C12P 13/10; C12P 21/02; C12R 1/00; C12N 1/21; C12P 13/08; C12P 13/10; C12R 1/01; C12R 1/01; C12R 1/01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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Terms

Documents

L2 and ajin\$6

13

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=> d his full

(FILE 'HOME' ENTERED AT 16:27:56 ON 15 SEP 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 16:28:28 ON 15 SEP 2006  
SEA LYSIN? AND LYSE? AND METHYLOBACI?

3 FILE BIOTECHABS  
3 FILE BIOTECHDS  
3 FILE CAPLUS  
14 FILE DGENE  
4 FILE GENBANK  
2 FILE IFIPAT  
46 FILE USPATFULL  
1 FILE USPAT2  
3 FILE WPIDS  
3 FILE WPINDEX  
L1 QUE LYSIN? AND LYSE? AND METHYLOBACI?

SEA METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

1 FILE ANABSTR  
2 FILE AQUASCI  
3 FILE BIOENG  
32 FILE BIOSIS  
20 FILE BIOTECHABS  
20 FILE BIOTECHDS  
14 FILE BIOTECHNO  
1 FILE CABA  
50 FILE CAPLUS  
1 FILE CIN  
1 FILE DDFU  
61 FILE DGENE  
4 FILE DISSABS  
1 FILE DRUGU  
1 FILE EMBAL  
26 FILE EMBASE  
13 FILE ESBIOBASE  
213 FILE GENBANK  
21 FILE IFIPAT  
3 FILE JICST-EPLUS  
4 FILE LIFESC  
22 FILE MEDLINE  
1 FILE OCEAN  
9 FILE PASCAL  
46 FILE PROMT  
1 FILE RDISCLOSURE  
12 FILE SCISEARCH  
4 FILE SYNTHLINE  
9 FILE TOXCENTER  
17934 FILE USPATFULL  
1866 FILE USPAT2  
16 FILE WPIDS  
16 FILE WPINDEX  
L2 QUE METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

D RANK

FILE 'USPATFULL, USPAT2, GENBANK, CAPLUS, PROMT, BIOSIS, EMBASE, MEDLINE, IFIPAT' ENTERED AT 16:34:14 ON 15 SEP 2006

L3 20210 SEA METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

L4 56 SEA L1 AND LYSE?

L5 53 DUP REM L4 (3 DUPLICATES REMOVED)



D TI L5 1-53  
D IBIB ABS L5 4 5 6 25 27 36 38

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NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPplus  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
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and display fields  
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NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
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=> index bioscience medicine

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0.21	0.21

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CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,  
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71 FILES IN THE FILE LIST IN STNINDEX

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=> s lysin? and lyse? and methylobaci?

- 3 FILE BIOTECHABS
- 3 FILE BIOTECHDS
- 3 FILE CAPLUS
- 14 FILE DGENE

28 FILES SEARCHED...

- 4 FILE GENBANK
- 2 FILE IFIPAT
- 46 FILE USPATFULL
- 1 FILE USPAT2
- 3 FILE WPIDS

66 FILES SEARCHED...

- 3 FILE WPINDEX

10 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE LYSIN? AND LYSE? AND METHYLOBACI?

=> s methano? and lysin? and (transpo? or export? or secreti?)

- 1 FILE ANABSTR
- 2 FILE AQUASCI
- 3 FILE BIOENG
- 32 FILE BIOSIS
- 20 FILE BIOTECHABS
- 20 FILE BIOTECHDS
- 14 FILE BIOTECHNO
- 1 FILE CABA
- 50 FILE CAPLUS
- 1 FILE CIN

19 FILES SEARCHED...

- 1 FILE DDFU
- 61 FILE DGENE
- 4 FILE DISSABS
- 1 FILE DRUGU
- 1 FILE EMBAL
- 26 FILE EMBASE
- 13 FILE ESBIODBASE
- 213 FILE GENBANK

35 FILES SEARCHED...

- 21 FILE IFIPAT
- 3 FILE JICST-EPLUS
- 4 FILE LIFESCI
- 22 FILE MEDLINE
- 1 FILE OCEAN
- 9 FILE PASCAL
- 46 FILE PROMT

56 FILES SEARCHED...

- 1 FILE RDISCLOSURE
- 12 FILE SCISEARCH
- 4 FILE SYNTHLINE
- 9 FILE TOXCENTER
- 17934 FILE USPATFULL
- 1866 FILE USPAT2
- 16 FILE WPIDS

16 FILE WPINDEX

33 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L2 QUE METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

=> d rank

F1	17934	USPATFULL
F2	1866	USPAT2
F3	213	GENBANK
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F5	50	CAPLUS
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F18	9	PASCAL
F19	9	TOXCENTER
F20	4	DISSABS
F21	4	LIFESCI
F22	4	SYNTHLINE
F23	3	BIOENG
F24	3	JICST-EPLUS
F25	2	AQUASCI
F26	1	ANABSTR
F27	1	CABA
F28	1	CIN
F29	1	DDFU
F30	1	DRUGU
F31	1	EMBAL
F32	1	OCEAN
F33	1	RDISCLOSURE

=> file f1-f3,f5-f11

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ENTRY	SESSION
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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

=> s methano? and lysin? and (transpo? or export? or secreti?)  
L3 20210 METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

=> s l1 and lyse?  
L4 56 L1 AND LYSE?

=> dup rem l4  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
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L5 53 DUP REM L4 (3 DUPLICATES REMOVED)

=> d ti l5 1-53

L5 ANSWER 1 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding metabolic pathway proteins

L5 ANSWER 2 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding stress, resistance and tolerance proteins

L5 ANSWER 3 OF 53 USPATFULL on STN  
TI Polynucleotides encoding polypeptides involved in intermediates metabolism of the central metabolic pathway in Methylophilus methylotrophus

L5 ANSWER 4 OF 53 USPATFULL on STN  
TI L-Amino acid-producing microorganism and method for producing L-amino acid

L5 ANSWER 5 OF 53 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Production of L-lysine and L-arginine using methanol assimilating bacterium

L5 ANSWER 6 OF 53 USPATFULL on STN DUPLICATE 1  
TI Method for producing L-lysine or L-arginine by using methanol-assimilating bacterium

L5 ANSWER 7 OF 53 USPATFULL on STN  
TI Polypeptides and biosynthetic pathways for the production of monatin and its precursors

L5 ANSWER 8 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding proteins involved in homeostasis and adaptation

L5 ANSWER 9 OF 53 USPATFULL on STN  
TI Modified threonine deaminase

L5 ANSWER 10 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding metabolic pathway proteins

L5 ANSWER 11 OF 53 USPATFULL on STN  
TI Methods and compositions for amino acid production

L5 ANSWER 12 OF 53 USPATFULL on STN  
TI Polypeptides and biosynthetic pathways for the production of monatin and its precursors

L5 ANSWER 13 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding proteins involved in membrane synthesis and membrane transport

L5 ANSWER 14 OF 53 USPATFULL on STN  
TI L-glutamic acid-producing microorganism and a method for producing L-glutamic acid

L5 ANSWER 15 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding phosphoenolpyruvate: sugar phosphotransferase system proteins

L5 ANSWER 16 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding proteins involved in homeostasis and adaptation

L5 ANSWER 17 OF 53 USPATFULL on STN  
TI Chewing gum compositions comprising monatin and methods for making same

L5 ANSWER 18 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding regulatory proteins

L5 ANSWER 19 OF 53 USPATFULL on STN  
TI Monatin tabletop sweetener compositions and methods of making same

L5 ANSWER 20 OF 53 USPATFULL on STN  
TI Beverage compositions comprising monatin and methods of making same

L5 ANSWER 21 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding novel proteins

L5 ANSWER 22 OF 53 USPATFULL on STN  
TI Methods and compositions for inhibition of membrane fusion-associated events, including HIV transmission

L5 ANSWER 23 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding phosphoenolpyruvate: sugar phosphotransferase system proteins

L5 ANSWER 24 OF 53 USPATFULL on STN DUPLICATE 2  
TI Method for producing L-amino acid using methylotroph

L5 ANSWER 25 OF 53 USPATFULL on STN  
TI Method for producing L-lysine using methanol-utilizing bacterium

L5 ANSWER 26 OF 53 USPATFULL on STN  
TI Genes involved in polysaccharide production and utilization thereof

L5 ANSWER 27 OF 53 USPATFULL on STN  
TI Method for producing L-amino acid using methylotroph

L5 ANSWER 28 OF 53 USPATFULL on STN  
TI Polypeptides and biosynthetic pathways

L5 ANSWER 29 OF 53 USPATFULL on STN  
TI Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids

L5 ANSWER 30 OF 53 USPATFULL on STN

TI Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides useful for treating aids

L5 ANSWER 31 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding proteins involved in homeostasis and adaptation

L5 ANSWER 32 OF 53 USPATFULL on STN  
TI Methods for inhibition of membrane fusion-associated events, including HIV transmission

L5 ANSWER 33 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding stress, resistance and tolerance proteins

L5 ANSWER 34 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding proteins involved in membrane synthesis and membrane transport

L5 ANSWER 35 OF 53 CAPLUS COPYRIGHT 2006 ACS on STN  
TI DNA coding a lysis mutant protein, bacteria containing it, and process for production of L-amino acids using it

L5 ANSWER 36 OF 53 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Bacteria capable of producing L-lysine or L-arginine, and process for production of L-lysine or of L-arginine using it

L5 ANSWER 37 OF 53 USPATFULL on STN DUPLICATE 3  
TI Methods of optimizing substrate pools and biosynthesis of poly-beta-hydroxybutyrate-co-poly-beta-hydroxyvalerate in bacteria and plants

L5 ANSWER 38 OF 53 USPATFULL on STN  
TI Method for producing L-lysine or L-arginine by using methanol assimilating bacterium

L5 ANSWER 39 OF 53 USPATFULL on STN  
TI Corynebacterium glutamicum genes encoding metabolic pathway proteins

L5 ANSWER 40 OF 53 USPATFULL on STN  
TI Nucleic acid and amino acid sequences relating to Acinetobacter baumannii for diagnostics and therapeutics

L5 ANSWER 41 OF 53 USPATFULL on STN  
TI Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission

L5 ANSWER 42 OF 53 USPATFULL on STN  
TI Novel Polynucleotides

L5 ANSWER 43 OF 53 USPATFULL on STN  
TI Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

L5 ANSWER 44 OF 53 USPATFULL on STN  
TI Human respiratory syncytial virus peptides with antifusogenic and antiviral activities

L5 ANSWER 45 OF 53 USPATFULL on STN  
TI Polyhydroxyalkanoates of narrow molecular weight distribution prepared in transgenic plants

L5 ANSWER 46 OF 53 USPATFULL on STN  
TI Polyhydroxyalkanoates of narrow molecular weight distribution prepared in transgenic plants

L5 ANSWER 47 OF 53 USPATFULL on STN  
TI Method for transforming soybeans

L5 ANSWER 48 OF 53 USPATFULL on STN  
TI Methods of optimizing substrate pools and biosynthesis of  
poly- $\beta$ -hydroxybutyrate-co-poly- $\beta$ -hydroxyvalerate in bacteria  
and plants

L5 ANSWER 49 OF 53 USPATFULL on STN  
TI Methods of optimizing substrate pools and biosynthesis of  
poly- $\beta$ -hydroxybutyrate-co-poly- $\beta$ -hydroxyvalerate in bacteria  
and plants

L5 ANSWER 50 OF 53 GENBANK® COPYRIGHT 2006 on STN  
TITLE (TI): Complete sequence of Methylobacillus  
flagellatus KT  
TITLE (TI): Direct Submission

L5 ANSWER 51 OF 53 GENBANK® COPYRIGHT 2006 on STN  
TITLE (TI): Genomic plasticity of the causative agent of  
melioidosis, Burkholderia pseudomallei  
TITLE (TI): Direct Submission

L5 ANSWER 52 OF 53 GENBANK® COPYRIGHT 2006 on STN  
TITLE (TI): Genomic plasticity of the causative agent of  
melioidosis, Burkholderia pseudomallei  
TITLE (TI): Direct Submission

L5 ANSWER 53 OF 53 GENBANK® COPYRIGHT 2006 on STN  
TITLE (TI): The genome sequence of the enterobacterial  
phytopathogen Erwinia carotovora subsp. atroseptica  
SCRI1043 and functional genomic identification of novel  
virulence factors  
TITLE (TI): Direct Submission

=> d ibib abs 15 4 5 6 25 27 36 38

L5 ANSWER 4 OF 53 USPATFULL on STN  
ACCESSION NUMBER: 2006:21522 USPATFULL  
TITLE: L-Amino acid-producing microorganism and method for  
producing L-amino acid  
INVENTOR(S): Ueda, Takuji, Kawasaki-shi, JAPAN  
Nakai, Yuta, Kawasaki-shi, JAPAN  
Gunji, Yoshiya, Kawasaki-shi, JAPAN  
Takikawa, Rie, Kawasaki-shi, JAPAN  
Joe, Yuji, Kawasaki-shi, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006019355	A1	20060126
APPLICATION INFO.:	US 2005-44347	A1	20050128 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2004-23347	20040130
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CERMAK & KENEALY LLP, ACS LLC, 515 EAST BRADDOCK ROAD, SUITE B, ALEXANDRIA, VA, 22314, US	



NUMBER OF CLAIMS: 19  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 16 Drawing Page(s)  
LINE COUNT: 2401  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB L-amino acids are produced by culturing a microorganism which has an ability to produce the L-amino acid, but has been modified so that expression of the ybjE gene has been enhanced. The L-amino acid is collected from the culture medium or from the microorganism.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 53 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2006:542089 CAPLUS  
DOCUMENT NUMBER: 145:26674  
TITLE: Production of L-lysine and L-arginine using methanol assimilating bacterium  
INVENTOR(S): Gunji, Yoshiya; Ito, Hisao  
PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan  
SOURCE: PCT Int. Appl., 34 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006059715	A1	20060608	WO 2005-JP22180	20051202
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: JP 2004-351119 A 20041203

AB The method of producing L-lysine and L-arginine by the fermentation using recombinant methanol-assimilating bacterium such as Methylophilus or Methylobacillus bacterium has been developed. The recombinant bacteria has been introduced with the DNA encoding coryneform LysE transport protein variant. The DNA has the insertion of termination codons (TGA, TAG or TAA) in its nucleotide sequence at the region encoding the loop motifs of the protein product. L-lysine and L-arginine are produced by the recombinant bacteria and accumulated in the culture medium during the fermentation using methanol as the carbon source.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 53 USPATFULL on STN DUPLICATE 1  
ACCESSION NUMBER: 2005:4392 USPATFULL  
TITLE: Method for producing L-lysine or L-arginine by using methanol-assimilating bacterium  
INVENTOR(S): Gunji, Yoshiya, Kawasaki, JAPAN  
Yasueda, Hisashi, Kawasaki, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005003495	A1	20050106
APPLICATION INFO.:	US 2003-716470	A1	20031120 (10)

	NUMBER	DATE
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PRIORITY INFORMATION:	JP 2002-336340	20021120
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AJINOMOTO CORPORATE SERVICES, LLC, INTELLECTUAL PROPERTY DEPARTMENT, 1120 CONNECTICUT AVE., N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1485	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	A DNA encoding a variant of a protein, the protein having a loop region and six hydrophobic helices and involved in secretion of L-lysine to the outside of a cell, wherein the DNA encodes a variant of a protein not containing the loop region and facilitates secretion of L-lysine, L-arginine or both of these L-amino acids to the outside of a cell of a methanol-assimilating bacterium when the DNA is introduced into the bacterium, specifically lysE24, is introduced into a Methylobacillus bacteria to improve L-amino acid productivity, especially L-lysine and L-arginine productivities.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 53 USPATFULL on STN  
 ACCESSION NUMBER: 2004:273798 USPATFULL  
 TITLE: Method for producing L-lysine using  
 methanol-utilizing bacterium  
 INVENTOR(S): Asahara, Takayuki, Kawasaki, JAPAN  
 Hirano, Seiko, Kawasaki, JAPAN  
 Yasueda, Hisashi, Kawasaki, JAPAN

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2004214296	A1	20041028
APPLICATION INFO.:	US 2004-760283	A1	20040121 (10)

	NUMBER	DATE
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PRIORITY INFORMATION:	JP 2003-20513	20030129
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AJINOMOTO CORPORATE SERVICES, LLC, INTELLECTUAL PROPERTY DEPARTMENT, 1120 CONNECTICUT AVE., N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1429	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	L-Lysine is produced by culturing a methanol-utilizing bacterium which requires L-methionine for its growth and has an ability to produce L-lysine in a medium containing methanol as a main carbon source to produce and accumulate L-lysine in culture and collecting the L-lysine from the culture.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 27 OF 53 USPATFULL on STN  
 ACCESSION NUMBER: 2004:184552 USPATFULL  
 TITLE: Method for producing L-amino acid using methylotroph  
 INVENTOR(S): Gunji, Yoshiya, Kawasaki, JAPAN  
 Yasueda, Hisashi, Kawasaki, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004142435	A1	20040722
APPLICATION INFO.:	US 2003-716473	A1	20031120 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2002-336346	20021120
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	AJINOMOTO CORPORATE SERVICES, LLC, INTELLECTUAL PROPERTY DEPARTMENT, 1120 CONNECTICUT AVE., N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1528	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention describes a method for producing an L-amino acid comprising culturing a microorganism having an ability to produce an L-amino acid in a medium, whereby the L-amino acid accumulates in the medium, and collecting the L-amino acid from the medium, whereby said microorganism comprises a methanol-utilizing bacterium having the Entner-Doudoroff pathway in which 6-phosphogluconate dehydratase activity and/or 2-keto-3-dexoy-6-phosphogluconate aldolase activity is enhanced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 36 OF 53 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:411328 CAPLUS  
DOCUMENT NUMBER: 140:422486  
TITLE: Bacteria capable of producing L-lysine or L-arginine, and process for production of L-lysine or of L-arginine using it  
INVENTOR(S): Gunji, Yoshiya; Yasueda, Hisashi  
PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan  
SOURCE: Fr. Demande, 49 pp.  
CODEN: FRXXBL  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2847262	A1	20040521	FR 2003-13575	20031120
JP 2004166594	A2	20040617	JP 2002-336340	20021120
DE 10352801	A1	20040715	DE 2003-10352801	20031112
CN 1502690	A	20040609	CN 2003-10123327	20031120
US 2005003495	A1	20050106	US 2003-716470	20031120
PRIORITY APPLN. INFO.:			JP 2002-336340	A 20021120

AB Bacteria of the genus *Methylobacillus* are claimed, into which DNA able to be expressed and which produces L-lysine or L-arginine is introduced, where the aforementioned DNA encodes a protein which has a loop area and 6 hydrophobic helixes and which is implied in the secretion of L-lysine outside a cell, and the recombinant bacterium does not contain the aforementioned loop area but facilitates the secretion of L-lysine, L-arginine, or both from a bacteria assimilating MeOH, as well as a process of production of L-lysine or of L-arginine by culturing said bacteria.

L5 ANSWER 38 OF 53 USPATFULL on STN

ACCESSION NUMBER: 2003:180857 USPATFULL

TITLE: Method for producing L-lysine or L-arginine  
by using methanol assimilating bacterium  
INVENTOR(S): Gunji, Yoshiya, Kawasaki-shi, JAPAN  
Yasueda, Hisashi, Kawasaki-shi, JAPAN  
PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Tokyo, JAPAN (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003124687	A1	20030703
APPLICATION INFO.:	US 2002-166142	A1	20020611 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2001-177075	20010612
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1234	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A DNA encoding a variant of a protein, having a loop region and six hydrophobic helices and involved in excretion of L-lysine to outside of a cell, wherein the DNA encodes a mutant protein not containing the loop region that is contained in a wild-type protein and facilitates excretion of L-lysine, L-arginine or both of these L-amino acids to outside of a cell of a methanol assimilating bacterium when the DNA is introduced into the bacterium, specifically lyse24, is introduced into a methanol assimilating bacterium such as Methylophilus bacteria to improve L-amino acid productivity, especially L-lysine and L-arginine productivities.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 16:27:56 ON 15 SEP 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 16:28:28 ON 15 SEP 2006  
SEA LYSIN? AND LYSE? AND METHYLOBACI?

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3 FILE BIOTECHABS  
3 FILE BIOTECHDS  
3 FILE CAPLUS  
14 FILE DGENE  
4 FILE GENBANK  
2 FILE IFIPAT  
46 FILE USPATFULL  
1 FILE USPAT2  
3 FILE WPIDS  
3 FILE WPINDEX

L1 QUE LYSIN? AND LYSE? AND METHYLOBACI?

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SEA METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

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1 FILE ANABSTR  
2 FILE AQUASCI  
3 FILE BIOENG

32 FILE BIOSIS  
 20 FILE BIOTECHABS  
 20 FILE BIOTECHDS  
 14 FILE BIOTECHNO  
 1 FILE CABA  
 50 FILE CAPLUS  
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 1 FILE DDFU  
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 13 FILE ESBIODBASE  
 213 FILE GENBANK  
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 22 FILE MEDLINE  
 1 FILE OCEAN  
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 12 FILE SCISEARCH  
 4 FILE SYNTHLINE  
 9 FILE TOXCENTER  
 17934 FILE USPATFULL  
 1866 FILE USPAT2  
 16 FILE WPIDS  
 16 FILE WPINDEX

L2 QUE METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

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FILE 'USPATFULL, USPAT2, GENBANK, CAPLUS, PROMT, BIOSIS, EMBASE, MEDLINE, IFIPAT' ENTERED AT 16:34:14 ON 15 SEP 2006

L3 20210 SEA METHANO? AND LYSIN? AND (TRANSP? OR EXPORT? OR SECRETI?)

L4 56 SEA L1 AND LYSE?

L5 53 DUP REM L4 (3 DUPLICATES REMOVED)

D TI L5 1-53

D IBIB ABS L5 4 5 6 25 27 36 38

FILE HOME

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FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 14 Sep 2006 (20060914/PD)

FILE LAST UPDATED: 14 Sep 2006 (20060914/ED)

HIGHEST GRANTED PATENT NUMBER: US7107620

HIGHEST APPLICATION PUBLICATION NUMBER: US2006206975

CA INDEXING IS CURRENT THROUGH 12 Sep 2006 (20060912/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 14 Sep 2006 (20060914/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 14 Sep 2006 (20060914/PD)

FILE LAST UPDATED: 14 Sep 2006 (20060914/ED)

HIGHEST GRANTED PATENT NUMBER: US2006041139